Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME
Attorney Name: Douglas P. Mueller
Phone No.: 612-371-5237
Sheet 1 of 22

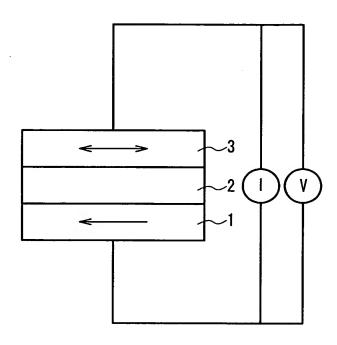


FIG. 1A

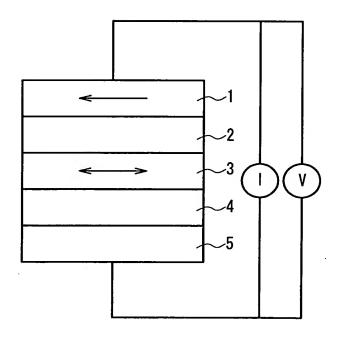
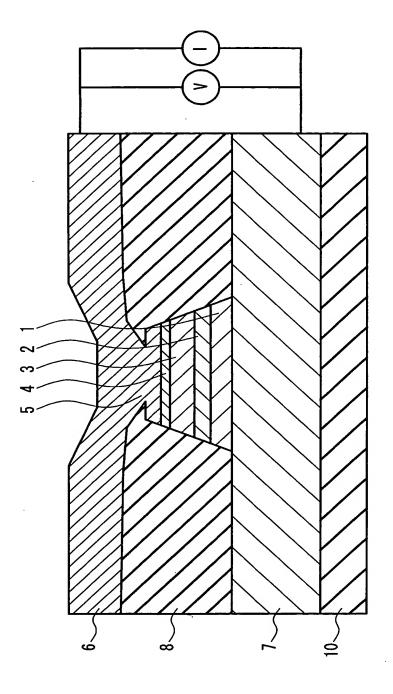


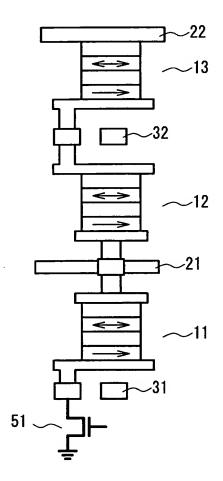
FIG. 1B

Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME
Attorney Name: Douglas P. Mueller
Phone No.: 612-371-5237
Sheet 2 of 22



Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME

Attorney Name: Douglas P. Mueller Phone No.: 612-371-5237 Sheet 3 of 22



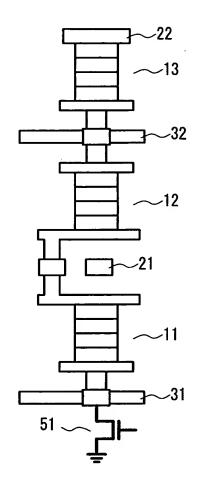


FIG. 3A

FIG. 3B

Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME
Attorney Name: Douglas P. Mueller
Phone No.: 612-371-5237
Sheet 4 of 22

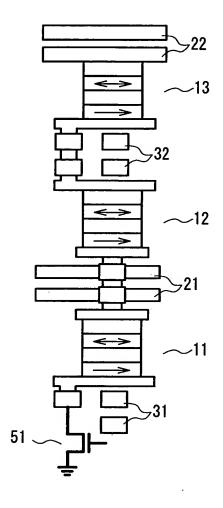


FIG. 4

Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME
Attorney Name: Douglas P. Mueller
Phone No.: 612-371-5237
Sheet 5 of 22

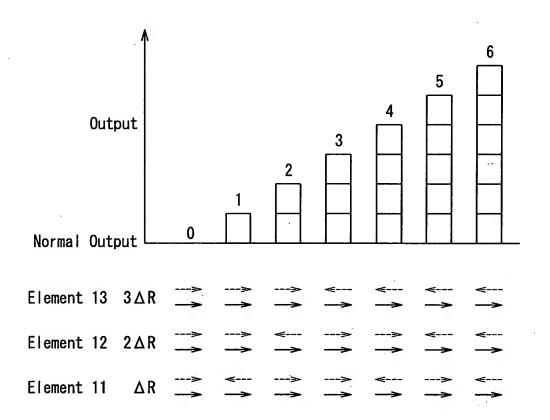


FIG. 5

Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND MAGNETIC MEMORY DEVICE USING THE SAME

Attorney Name: Douglas P. Mueller Phone No.: 612-371-5237

Sheet 6 of 22

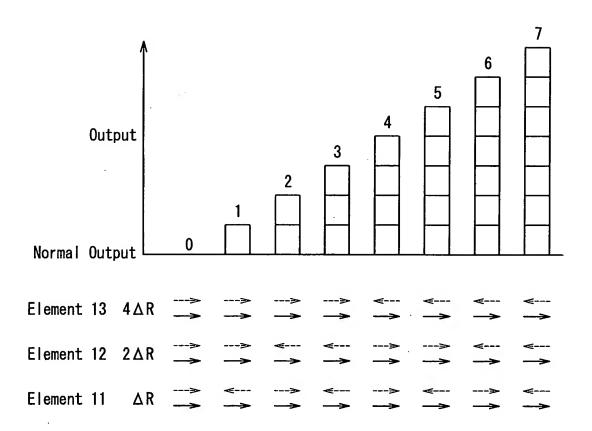


FIG. 6

Inventor: HIRAMOTO et al. Docket No.: 10873.1298USW1

Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND MAGNETIC MEMORY DEVICE USING THE SAME

Attorney Name: Douglas P. Mueller Phone No.: 612-371-5237 Sheet 7 of 22

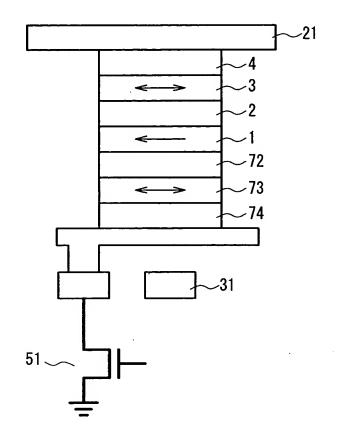


FIG. 7

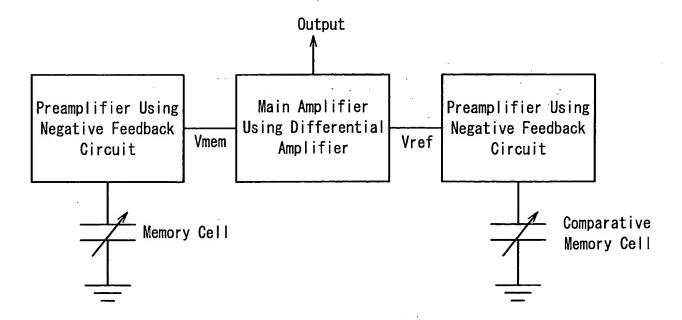
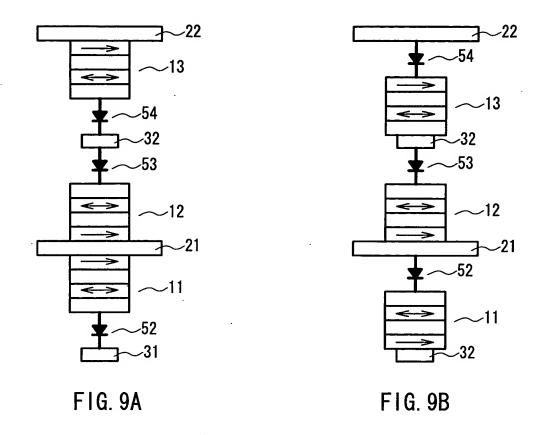


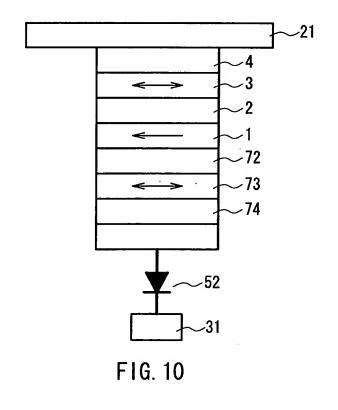
FIG. 8

Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME

Attorney Name: Douglas P. Mueller Phone No.: 612-371-5237

Sheet 8 of 22





Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND MAGNETIC MEMORY DEVICE USING THE SAME

Attorney Name: Douglas P. Mueller Phone No.: 612-371-5237 Sheet 9 of 22

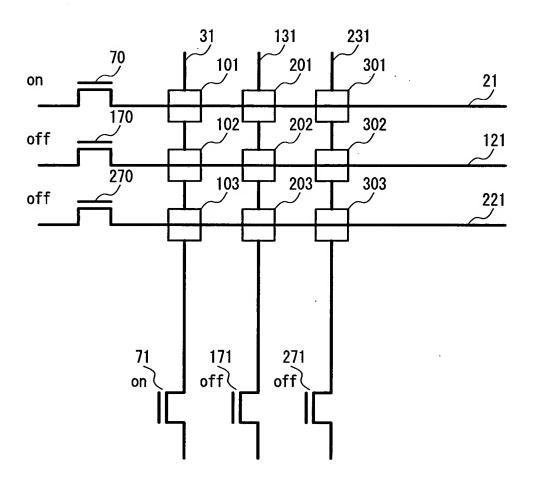


FIG. 11

Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME

Attorney Name: Douglas P. Mueller Phone No.: 612-371-5237 Sheet 10 of 22

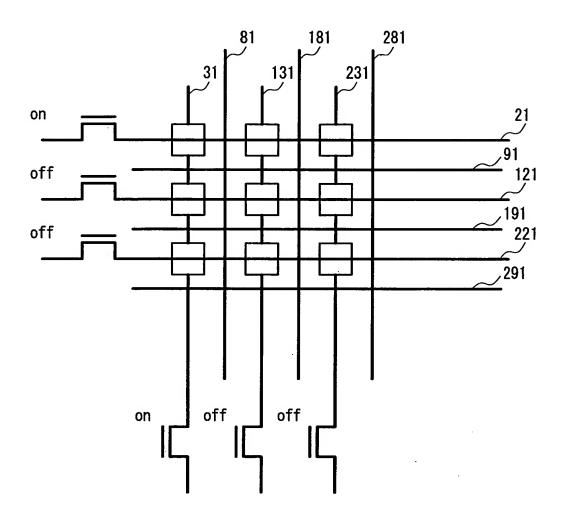


FIG. 12

Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME
Attorney Name: Douglas P. Mueller
Phone No.: 612-371-5237
Sheet 11 of 22

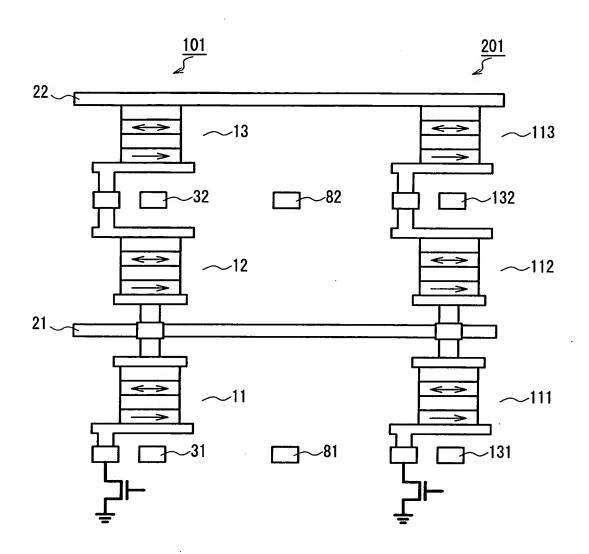


FIG. 13

Inventor: HIRAMOTO et al.

Docket No.: 10873.1298USW1

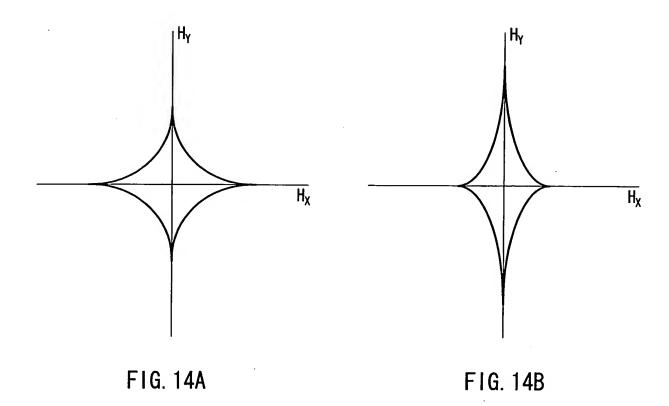
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND

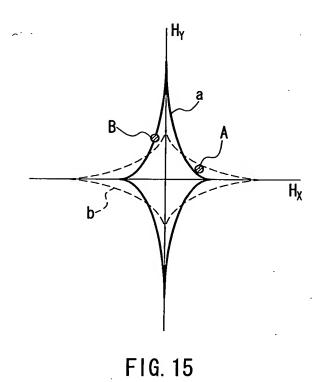
MAGNETIC MEMORY DEVICE USING THE SAME

Attorney Name: Douglas P. Mueller

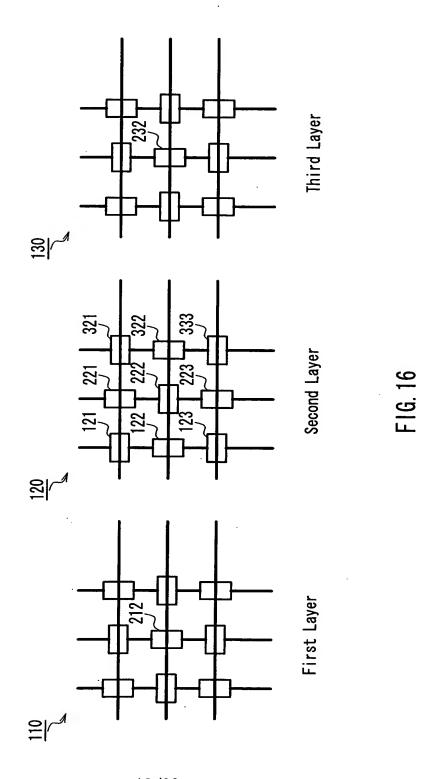
Phone No.: 612-371-5237

Sheet 12 of 22



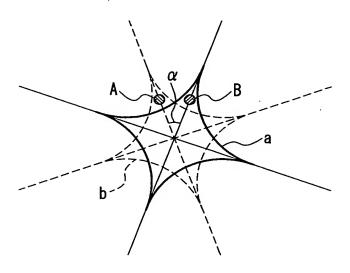


Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME
Attorney Name: Douglas P. Mueller
Phone No.: 612-371-5237
Sheet 13 of 22



13/22

Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME
Attorney Name: Douglas P. Mueller
Phone No.: 612-371-5237
Sheet 14 of 22



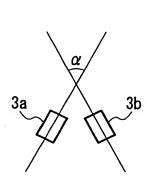


FIG. 17A

FIG. 17B

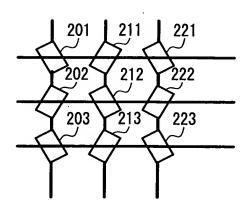


FIG. 18

Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME

Attorney Name: Douglas P. Mueller Phone No.: 612-371-5237 Sheet 15 of 22

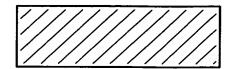


FIG. 19A

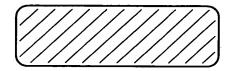


FIG. 19B

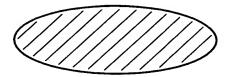


FIG. 19C

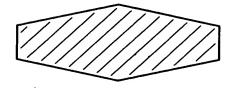


FIG. 19D

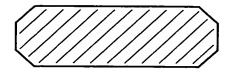
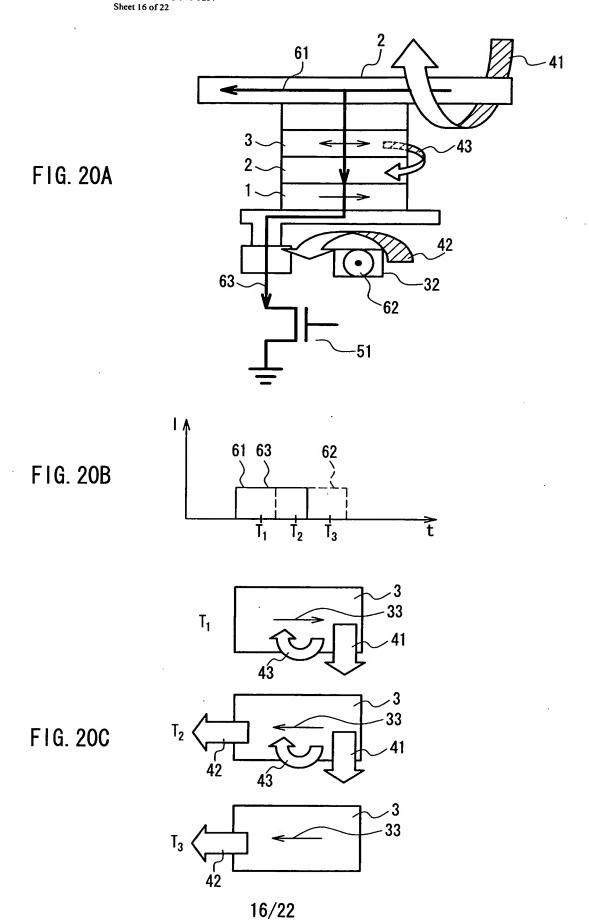
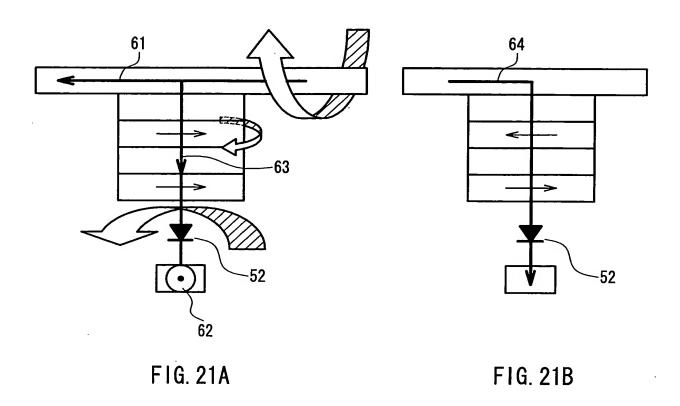


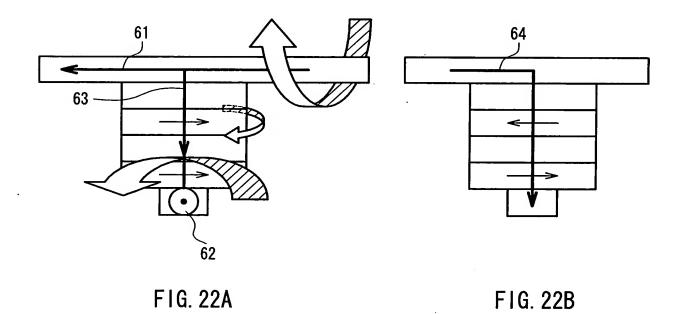
FIG. 19E

Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME
Attorney Name: Douglas P. Mueller
Phone No.: 612-371-5237



Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME
Attorney Name: Douglas P. Mueller
Phone No.: 612-371-5237
Sheet 17 of 22





Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME
Attorney Name: Douglas P. Mueller
Phone No.: 612-371-5237
Sheet 18 of 22

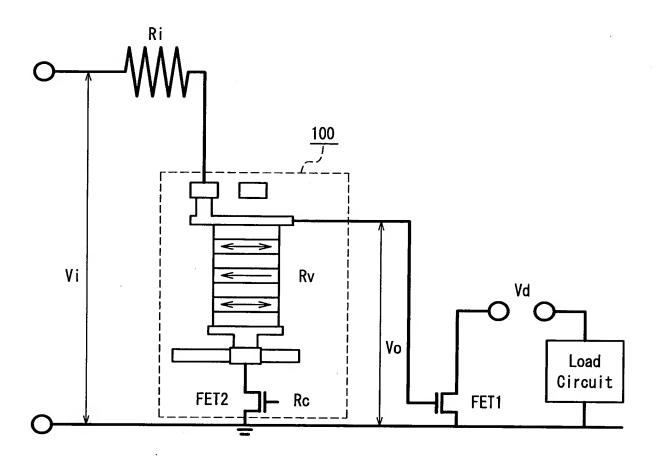


FIG. 23

Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME
Attorney Name: Douglas P. Mueller
Phone No.: 612-371-5237
Sheet 19 of 22

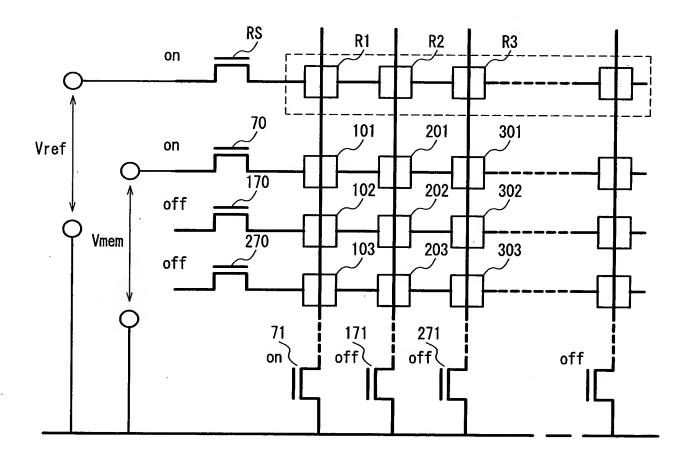


FIG. 24

Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME
Attorney Name: Douglas P. Mueller
Phone No.: 612-371-5237
Sheet 20 of 22

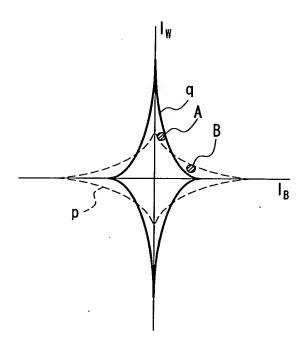
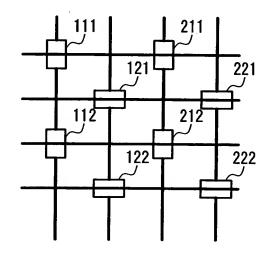


FIG. 25

Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME
Attorney Name: Douglas P. Mueller
Phone No.: 612-371-5237
Sheet 21 of 22



First Layer + Second Layer

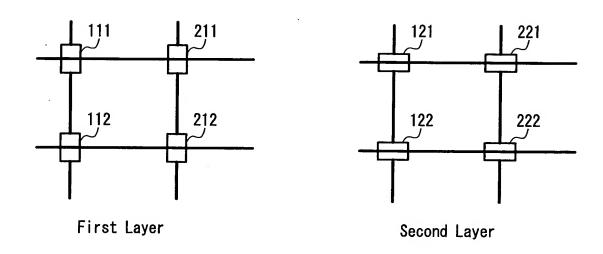


FIG. 26

Inventor: HIRAMOTO et al.
Docket No.: 10873.1298USW1
Title: MAGNETIC MEMORY AND METHOD FOR DRIVING THE SAME, AND
MAGNETIC MEMORY DEVICE USING THE SAME
Attorney Name: Douglas P. Mueller
Phone No.: 612-371-5237
Sheet 22 of 22

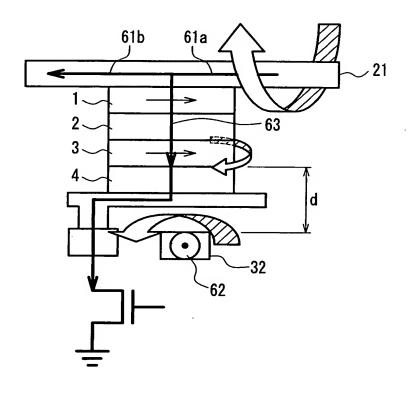


FIG. 27